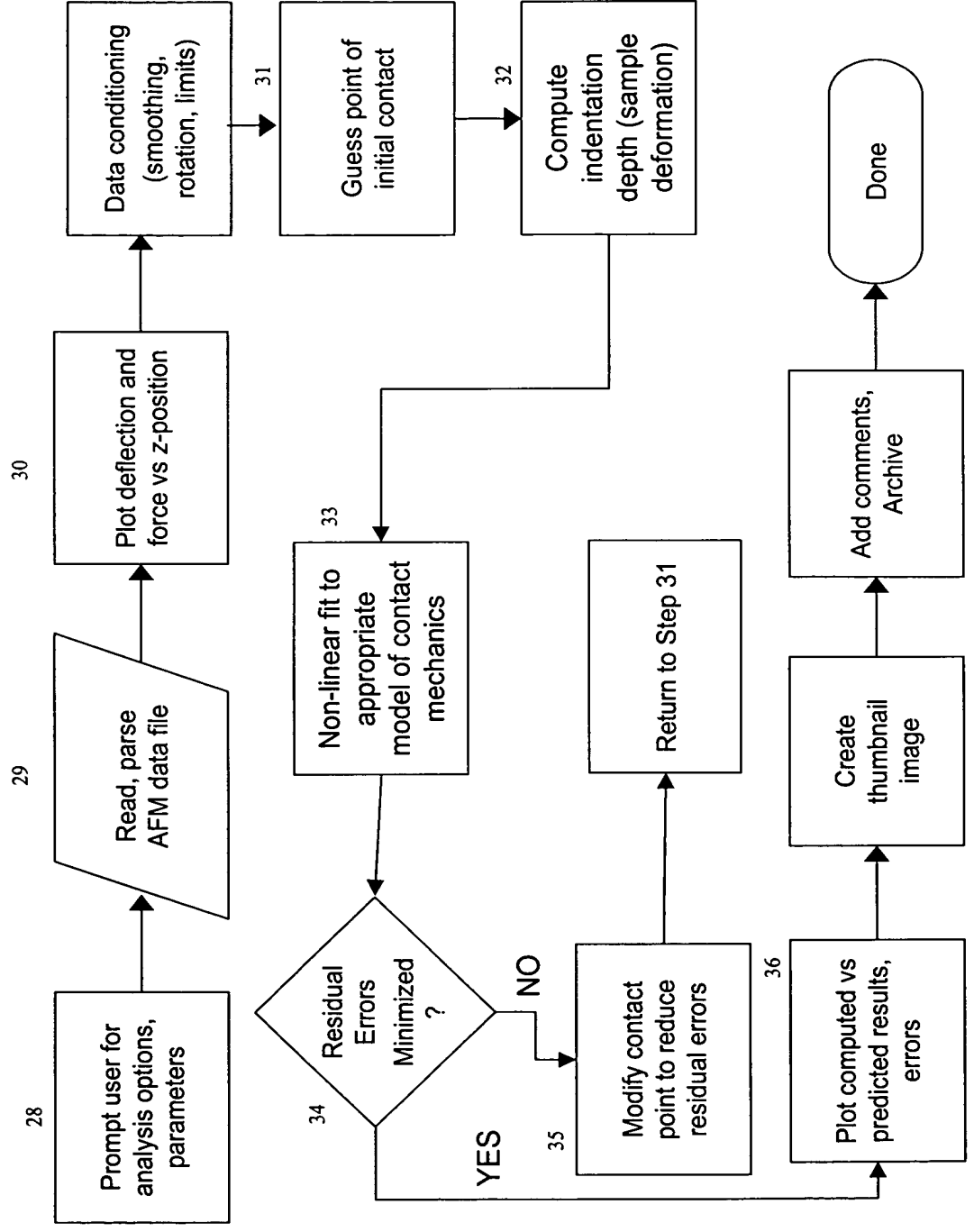
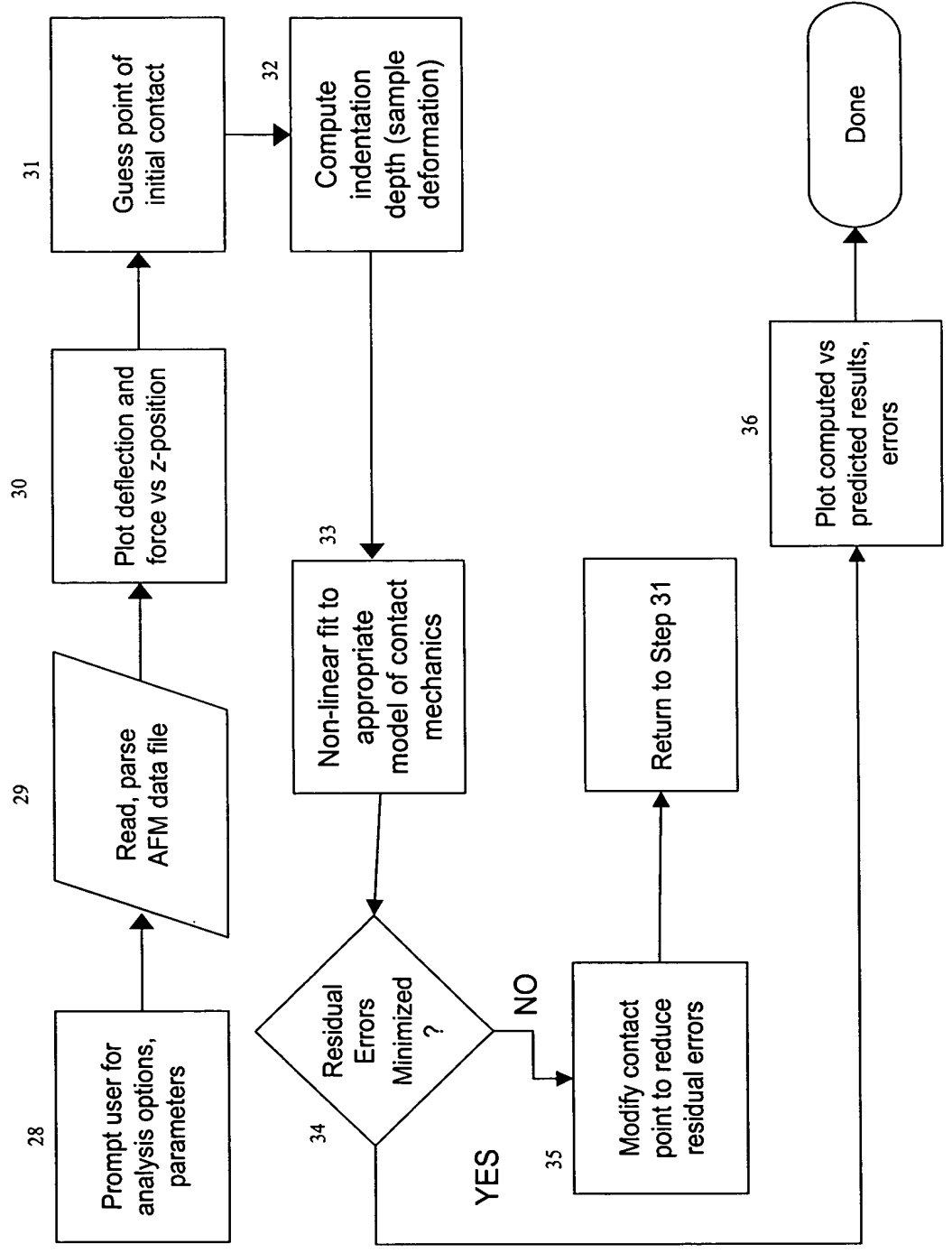
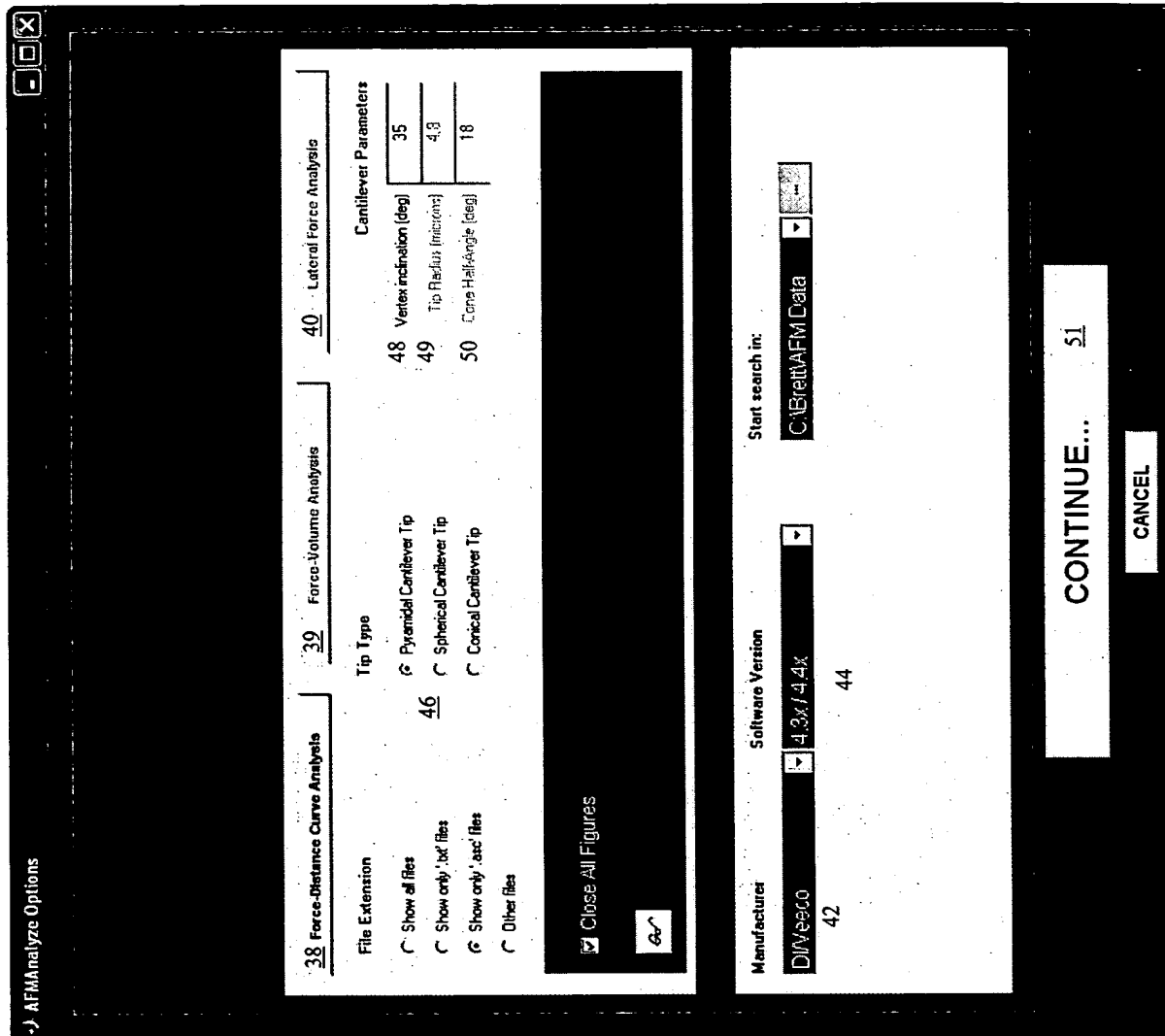


FIG. 1







37 →

FIG. 3

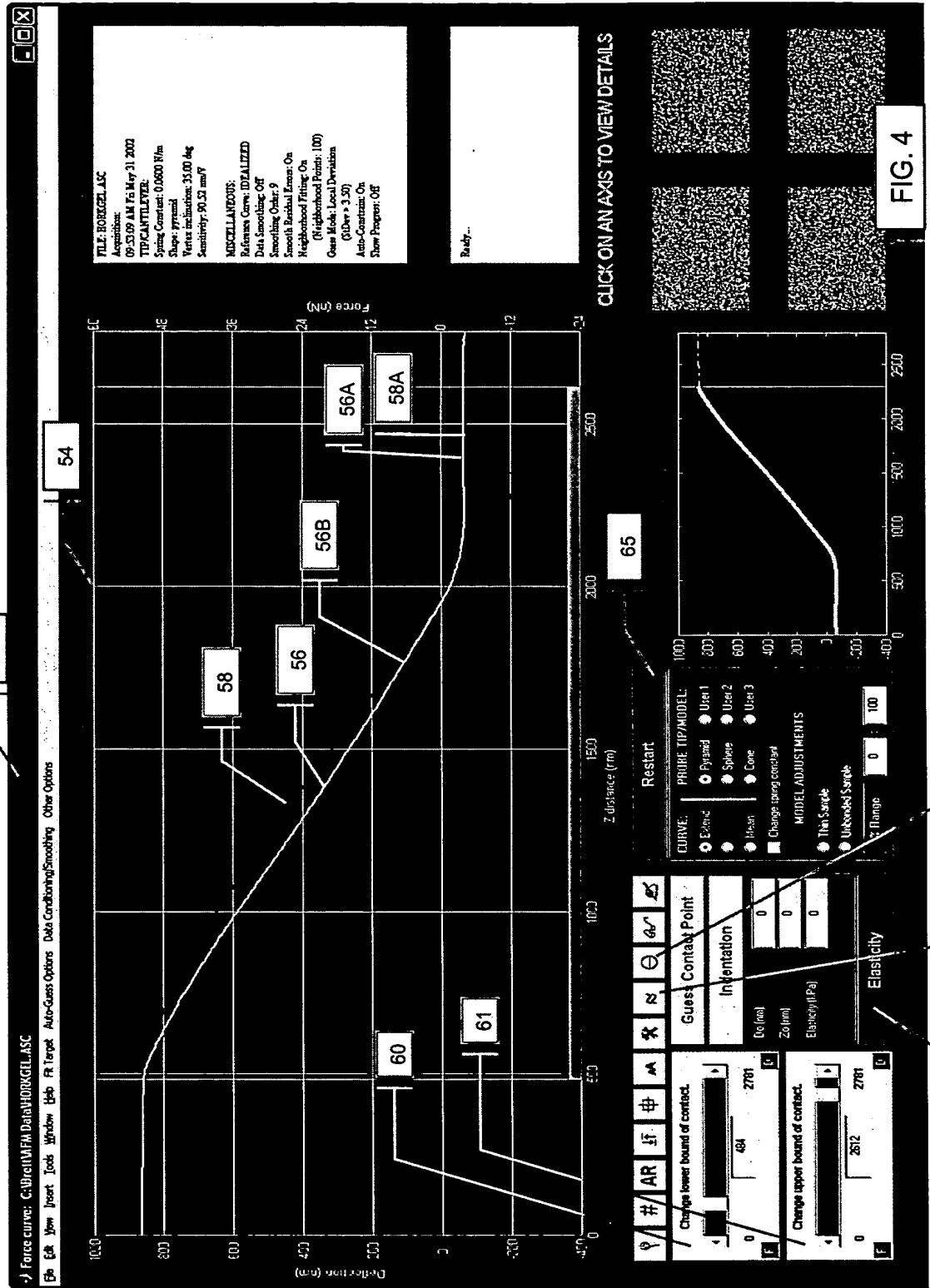
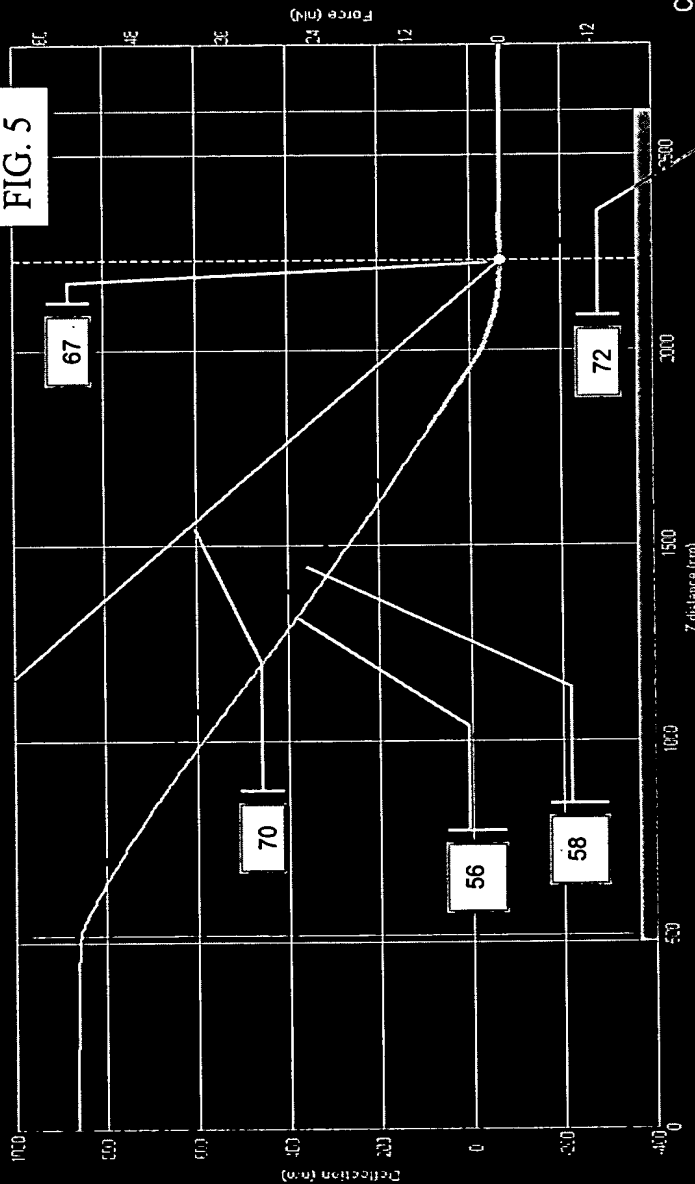


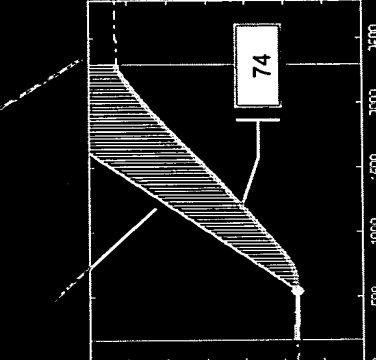
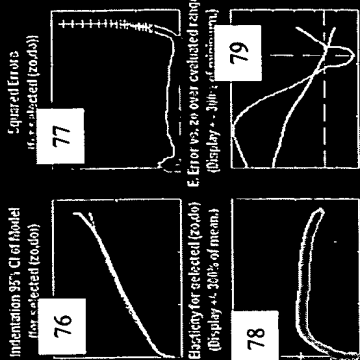
FIG. 5



FILE: BOKKEL.ASC
Acquisition:
09:53:09 AM Fri May 31 2002
TIP/CANTILEVER:
Spring Constant: 0.0600 N/m
Shape: pyramidal
Vertex inclination: 35.00 deg
Sensitivity: 90.53 nm/V
MISCELLANEOUS:
Reference Curve: IDEALIZED
Data Smoothing: OFF
Smoothing Order: 9
Smooth Residual Errors: On
Neighborhood Fitting: On
(Neighborhood Points: 100)
Guess Mode: Local Deviation
(SDDev = 3.50)
Auto-Constraint: On
Show Program: OFF

Measured Force (mN) = 10.950 (mN/V)

CLICK ON AN AXIS TO VIEW DETAILS



Restart 70

CURVE: ☒ Pyramidal ☐ User 1 ☐ User 2 ☐ User 3

☐ Elastic ☐ Sphere ☐ Cone ☐ Hsiao

☒ Change spring constant

MODEL ADJUSTMENTS

☒ Thin Sample ☐ Unknown Sample

% Range 0 100

COMMENT

Clear Guess

Indentation

Do (nm) 484 2781

Zo (nm) 220.66

Elasticity (Pa) 77.66

Elasticity

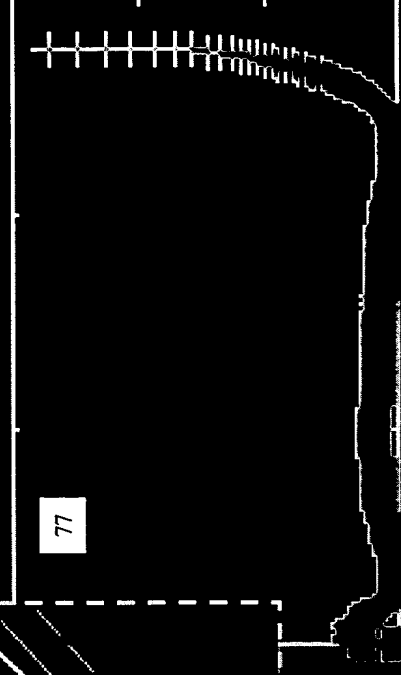
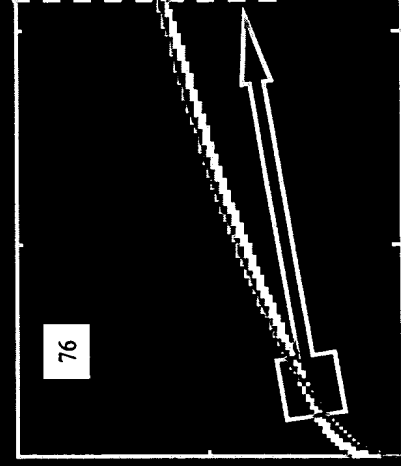
Change lower bound of contact. 0 2812 2781

Change upper bound of contact. 0 2812 2781

CLICK ON AN AXIS TO VIEW DETAILS

Indention: 25% Cl of Model
(for selected (zo,dto))

Squared Errors
(for selected (zo,dto))



Electricity for selected (zo,dto)
(Display +/- 300% of screen.)

E, Error vs. zo over extended range
(Display +/- 300% of screen.)

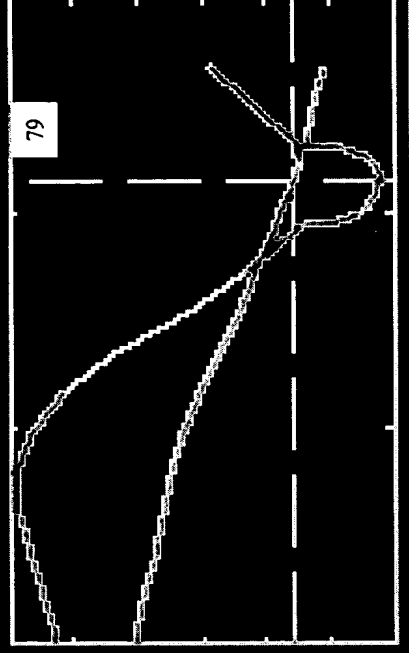
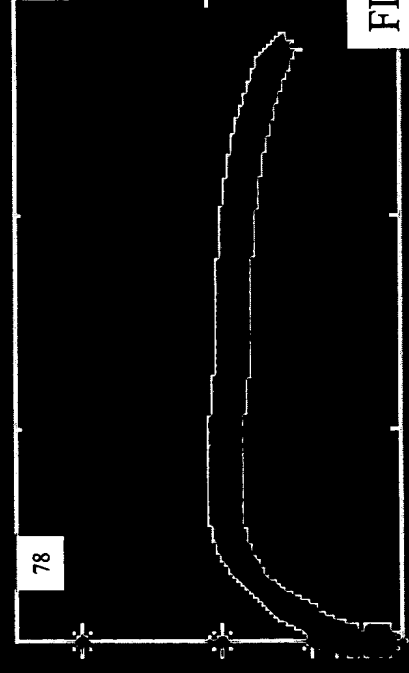


FIG. 6

FIG. 7

